

ATGCGAGAGCAAGGTGCTGCTGCGCGTGCCTCTGCGCTGCGGAGACACCC
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TACAAAAAGACATACTTACAATTAAGGCTAATACTCTTCAAATTACTTGCAG
GGGACAGAGGGACTTGGACTGGCTTTGGCCCAATAATCAGAGTGGCAGTGAG
CAAAGGTGGAGGTGACTGAGTGCAGCGATGGCCTCTCTGTAAAGACACTCAC
AATTCCAAAAGTATCGGAAATGACACTGGAGCCTACAAGTGCTTCTACCGG
AACTGACTTGGCCTCGGTCAATTTATGTCTATGTTCAGATTACAGATCTCCATT
TATTGCTTCTGTAGTGACCAACATGGAGTCTGTACATTACTGAGAACAAAA
CAAACTGTGGTGATTCCATGTCTCGGGTCCATTTCAAATCTCAACGTGTCACTT
TGTGCAAGATACCCAGAAAAGAGATTGTTCCTGATGGTAACAGAATTTCTCG
GACAGCAAGAAGGCTTTACTATTCAGCTAGATGATCAGCTATGCTGGCATG
GTCTTCTGTGAAGCAAAATTAATGATGAAAGTTACCACTCTATTATGTACATAG
TTGTCGTTGTAGGTATAGGATTTATGATGTGGTCTCTGAGTCCGCTCATGGAA
TTGAACTATCTGTTGGAGAAAAGCTTGTCTTAAATTGTACAGCAAGAAGTGAAC
TAAATGTGGGGATTGACTTCAACTGGGAATACCTTCTTCGAAGCATCAGCATA
AGAACTTGTAAACCGAGACCTAAAAACCCAGTCTGGGAGTGAGATGAAGAAA
TTTTGAGCACCTTAACATAGATGGTGTAAACCGGAGTGACCAAGGATTGTAC
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GGTCCATGAAAAACCTTTTGTGCTTTTGGAAAGTGGCATGGAATCTCTGGTGA
AGCCACCGTGGGGGAGCGTGTGAGAATCCCTGCGAAGTACCTTGGTTACCCAC
CCCCAGAAATAAAATGGTATAAAATGGAATACCCCTTGAGTCCAATCACACAA
TTAAAGCGGGCATGTACTGACGATTATGGAAGTGAGTGAAGAGACACAGGA
AATTACACTGTATCCTTACCAATCCCATTTCAAAGGAGAAGCAGAGCCATGTG
GTCTCTCTGGTTGTGTATGTCCCACCCAGATTGGTGAGAAATCTCTAATCTCTC
CTGTGGATTCTTACCAGTACGGCACCACTCAAACGTGACATGTACGGTCTATG
CCATTCTCCCCCGCATCATCCACTGGTATTGGCAGTTGGAGGAAGAGTGC
GCCAACGAGCCAGCCAAGCTGTCTCAGTGACAAACCCATACCTTGTAAGA
ATGGAGAAGTGTGGAGGACTTCCAGGGAGGAAATAAAATTGAAGTTAATAAAA
ATCAATTTGCTCTAATTGAAGGAAAAACAAAAGTGAAGTACCTTGTATCCA
AGCGGCAAATGTGTGAGCTTTGTACAAATGTGAAGCGGTCAACAAAGTCGGGA
GAGGAGAGAGGGTGATCTCTTCCAGGTGACCAGGGTCTTGAAATTACTTTG
CAACCTGACATGCAGCCCACTGAGCAGGAGAGCGTGTCTTTGTGGTGCAGTGC
AGACAGATCTACGTTTGAGAACCTCATATGGTACAAGCTTGGCCACAGCCTCT
GCCAATCCATGTGGGAGAGTTGCCACACCTGTTTGCAAGAACTTGGATACTCT
TTGGAATTGAATGCCACCATGTTCTCTAATAGCACAAATGACATTTTGATCATG
GAGCTTAAGAATGCATCTTGCAGGACCAAGGAGACTATGTCTGCCTTGCTCAA
GACAGGAAGACCAAGAAAAAGACATTGCGTGGTACGGCAGCTCACAGTCTTAGA
CGGTGTGGCACCACGATCACAGGAAACCTGGAGAATCAGACGACAAGTATTG
GGGAAAGCATCGAAGTCTATGCACGGCATCTGGAATCCCCCTCCACAGATC
ATGTGGTTTAAAGATAATGAGACCTTGTAGAAGACTCAGGCATTGTATTGAAG
GATGGGAACCGGAACCTCACTATCCGAGAGTGAGGAAGGAGGACGAAGGCC
TCTACACCTGCCAGGCATGCAGTGTCTTGGCTGTGCAAAAGTGGAGGCATTTT
TCATAATAGAAGGTGCCAGGAAAAGACGAACCTGGAAATCATTATTCTAGTAG
GCACGGCGGTGATTGCCATGTTCTTCTGGCTACTTCTGTGTCATCATCTACGGA
CCGTTAAGCGGGCAATGGAGGGGAAGTGAAGACAGGGTACCTGTCCATCGT

FIG. 1A

CATGGACCCAGATGAACTCCCATTGGATGAACATTGTGAACGACTGCCTTATGA
TGCCAGCAAATGGGAATCCCCAGAGACCGGCTGAAGCTAGGTAAGCCTCTTG
GCCGTGGTGCCTTTGGCCAAGTGATTGAAGCAGATGCCTTTGGAATTGACAAG
ACAGCAACTTGCAGGACAGTAGCAGTCAAAATGTTGAAAGAAGGAGCAACACA
CAGTGAGCATCGAGCTCTCATGTCTGAACTCAAGATCCTCATTATATTGGTCA
CCATCTCAATGTGGTCAACCTTCTAGGTGCCTGTACCAAGCCAGGAGGGCCAC
TCATGGTGATTGTGGAATCTGCAAATTTGGAACCTGTCCACTTACCTGAGGA
GCAAGAGAAATGAATTTGTCCCCTACAAGACCAAAGGGGCACGATTCGGTCAA
GGGAAAGACTACGTTGGAGCAATCCCTGTGGATCTGAAACGGCGCTTGGACAG
CATCACCAGTAGCCAGAGCTCAGCCAGCTCTGGATTGTGGAGGAGAAGTCCC
TCAGTGATGTAGAAGAAGAGGAAGCTCCTGAAGATCTGTATAAGGACTTCCTG
ACCTTGGAGCATCTCATCTGTTACAGCTTCCAAGTGGCTAAGGGCATGGAGTTC
TTGGCATCGCGAAAGTGATCCACAGGACCTGGCCGCACGAAATATCCTCTT
ATCGGAGAAGAACGTGGTTAAATCTGTGACTTTGGCTTGGCCCGGATATTA
TAAAGATCCAGATTATGTCAGAAAAGGAGATGCTCGCTCCCTTTGAAATGGAT
GGCCCCAGAAACAATTTTGCACAGAGTGACACAATCCAGAGTGACGTCTGGT
CTTTTGGTGTCTTGGCTGGGAAATATTTCTTAGGTGCTTCTCCATATCCTGG
GGTAAAGATTGATGAAGAATTTGTAGGCGATTGAAAGAAGGAAGTAGAATGA
GGGCCCCTGATTATACTACACCAGAAATGTACCAGACCATGCTGGACTGCTGG
CACGGGGAGCCCAGTCAGAGACCCACGTTTTCAGAGTTGGTGAACATTTGGG
AAATCTCTTGCAAGCTAATGCTCAGCAGGATGGCAAAGACTACATTGTTCTTCC
GATATCAGAGACTTTGAGCATGGAAGAGGATTCTGGACTCTCTCTGCCCTACCTC
ACCTGTTTCTGTATGGAGGAGGAGGAAGTATGTGACCCCAAATTCATTATGA
CAACACAGCAGGAATCAGTCAGTATCTGCAGAACAGTAAGCGAAAGAGCCGGC
CTGTGAGTGTAACAAACATTTGAAGATATCCCGTTAGAAGAACCAGAAGTAAAG
TAATCCCAGATGACAACCAGACGGACAGTGGTATGGTTCTTGCCTCAGAAGAG
CTGAAACCTTTGGAAGACAGAACCAATTATCTCCATCTTTTGGTGAATGGTG
CCCAGCAAAGCAGGGAGTCTGTGGCATCTGAAGGCTCAAACCAGACAAGCG
GCTACCACTCCGATATCACTCCGATGACACAGACACCACCGTGACTCCAGT
GAGGAAGCAGAACTTTTAAAGCTGATAGAGATTGGAGTGCAACCGGTAGCAC
AGCCCAGATTCTCCAGCTGACTCGGGGACCACACTGAGCTCTCCTCTGTTTA
A (SEQ ID NO:1)

FIG. 1B

FIG. 2

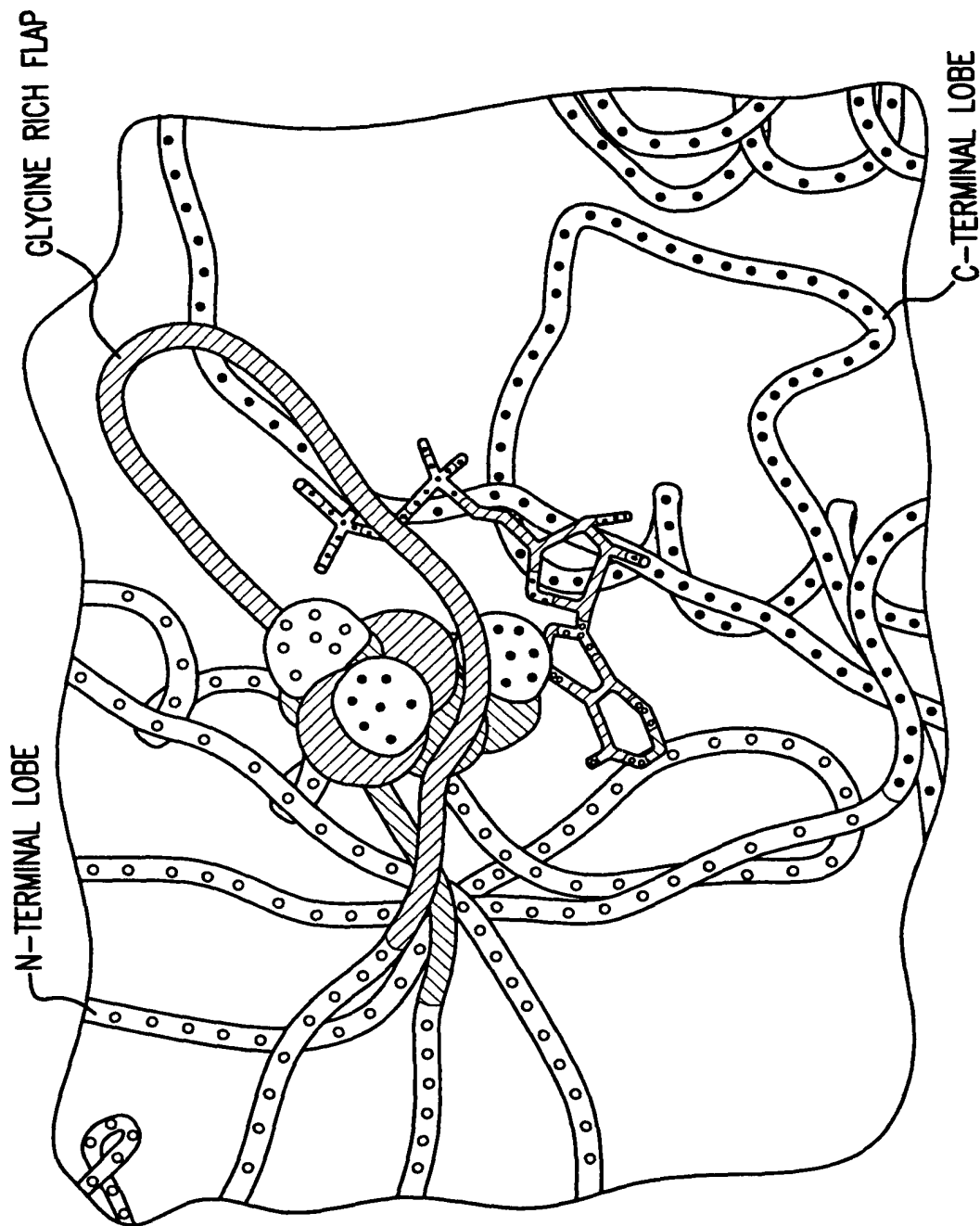


FIG.3A



FIG. 3B

Anti-phosphotyrosineE848V848

12	12	120	12	12
-	+	+	-	+



FIG.4A

Anti-KDRE848 V848

120	12
-	-

Enzyme (ng)
ATP (1 mM)

kDa

— 121



— 78

FIG.4B